

**AMENDMENT:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

Where claims have been amended and/or canceled, such amendments and/or cancellations are done without prejudice and/or waiver and/or disclaimer to the claimed and/or disclosed subject matter, and the assignee reserves the right to claim this subject matter and/or other disclosed subject matter in a continuing application.

**Claim Listing:**

Claims 1-5 (Canceled).

Claim 6. (Currently Amended) ~~The method according to claim 1, and further comprising:~~ A method for determining a resolution of blood glucose, comprising:

obtaining an analog signal source from a blood glucose solution being applied to an amplifier circuit which includes a reference resistance;

transforming said analog signal source into a digital signal;

transmitting said digital signal with a rising curve to obtain an approximate local maximum value of said rising curve;

determining said resolution of blood glucose according to said approximate local maximum value; and

~~determining~~ determining an average peak value of a plurality of said approximate local maximum values after a pre-setting sampling time.

Claim 7. (Currently Amended) ~~The method according to claim 1, and further comprising:~~ A method for determining a resolution of blood glucose, comprising:

obtaining an analog signal source from a blood glucose solution being applied to an amplifier circuit which includes a reference resistance;

transforming said analog signal source into a digital signal;

transmitting said digital signal with a rising curve to obtain an approximate local maximum value of said rising curve;

determining said resolution of blood glucose according to said approximate local maximum value; and

providing a mapping table of an outputted voltage and a plurality of approximate local maximum values from a plurality of said rising curves.

Claim 8. (Previously presented) A method for determining the resolution of blood glucose, comprising:

providing a blood glucose solution for reaction on a test strip to produce an analog signal source;

transmitting said analog signal source into a measuring circuit;

transforming said analog signal source into a digital signal;

outputting said digital signal with a rising curve;

determining an average peak value at an approximate local maximum point of said rising curve after a pre-setting sampling time; and

determining said resolution of blood glucose according to said average peak value.

Claim 9. (Previously presented) The method according to claim 8, wherein said test strip includes a catalyst.

Claim 10. (Previously presented) The method according to claim 8, and further comprising:

producing said analog signal source at least in part in response to an oxidation reduction reaction.

Claim 11. (Previously presented) The method according to claim 8, wherein said measuring circuit includes a reference resistance.

Claim 12. (Previously presented) The method according to claim 8, wherein said transforming said analog signal source includes transmitting said analog signal source through an analog front end (AFE).

Claim 13. (Previously presented) The method according to claim 8, and further comprising determining an approximate local maximum value of said rising curve.

Claim 14. (Previously presented) The method according to claim 13, wherein said approximate local maximum value being a difference between a first time ( $t_1$ ) and an initial time ( $t_0$ ) and said difference being larger than zero.

Claim 15. (Previously presented) The method according to claim 11, wherein said resolution of blood glucose is determined at least in part based on said reference resistance.

Claims 16-22. (Cancelled)